

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WATER RESOURCES DEPT

Instructions for completing this report are on the last page of this form

SALEM, OREGON

(START CARD) # 150737

(1) OWNER:

Well Number: #5

Name City of John Day
Address 450 East Main St.
City John Day State OR Zip 97845

(2) TYPE OF WORK:

[X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [X] Rotary Mud [] Cable [] Auger [] Other

(4) PROPOSED USE:

[] Domestic [X] Community [] Industrial [] Irrigation
[] Thermal [] Injection [] Livestock [] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [] Yes [X] No Depth of Completed Well 199 ft.
Explosives used [] Yes [X] No Type Amount

Table with columns: HOLE Diameter, From, To, SEAL Material, From, To, Amount sacks or pounds. Rows include Cement (154 sacks) and Bentonite (24 sacks).

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other

Backfill placed from 199 ft. to 215 ft. Material Cement
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Rows for Casing (20in, 16in) and Liner (16in, 12in).

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[X] Perforations Method Factory Saw
[X] Screens Type 304slotted Material Stainless

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Rows for perforations at 121, 126, 136, 141, 156 ft.

(8) WELL TESTS: Minimum testing time is 1 hour

[X] Pump [] Bailer [] Air [] Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Row: 840, 58, 120, 26 hr.

Temperature of Water 64 Depth Artesian Flow found

Was a water analysis done? [] Yes [] No By whom
Did any strata contain water not suitable for intended use? [] Too little
[] Salty [] Muddy [] Odor [] Colored [] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Grant Latitude Longitude
Township 13S N or S. Range 31E E or W. of WM.
Section 23 NE 1/4 SW 1/4
Tax lot 4301 Lot Block Subdivision
Street Address of Well (or nearest address) Next to Marge Wagners
at end of N. end of Bridge St.

(10) STATIC WATER LEVEL:

8.5 ft. below land surface. Date 3/7/03
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 12

Table with columns: From, To, Estimated Flow Rate, SWL. Rows showing water bearing zones at depths 12, 69, 80, 109 ft.

(12) WELL LOG:

Ground elevation

Table with columns: Material, From, To, SWL. Log entries include Clayee Top Soil & Tree Roots, Small to Large Gravels & Sand, Clean Large Gravels & Boulders WB, Green Clay & Gravels, Green Shale & Coal Seem, Firm Green Shale, Coal Seam, Green Shale & Coal slightly caving, Hard Gray Basalt, Broken Basalt ? WB lost 300 gals mud, Hard Gray Basalt, Broken Basalt with brown soft seam, Hard Gray Basalt, Broken Basalt, Green & Brown shale seams, Hard Gray Basalt with some fractures WB, Broken Gray Basalt with Brown soft seams WB.

Continued on next page

Date started 11/20/02 Completed 3/7/03

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used are of proper quality and proper design to the best of my knowledge and belief.

WESTERN WATER DEVELOPMENT
P.O. Box 1670 WWC Number
Redmond, OR 97756
Signed [Signature] Date 3/7/03

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1385
Signed [Signature] Date 3/9/03
Robert Buckner

WATER SUPPLY WELL REPORT 2003
(as required by ORS 537.765)

(START CARD) # 150737

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Well Number: #5

Name City of John Day
Address 450 East Main St.
City John Day State OR Zip 97845

(2) TYPE OF WORK:

New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well _____ ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

Perforations Method Factory Saw
 Screens Type 304 Slotted Material Stainless

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
161	171	3/16	480	12"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>
171	176	.25		12"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailor Air Flowing Artesian

Yield gal/min Drawdown Drill stem at Time

Temperature of Water _____ Depth Artesian Flow found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other
Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Grant Latitude Longitude
Township 13S N or S. Range 31E E or W. of W.M.
Section 23 NE 1/4 SW 1/4
Tax lot 4301 Lot Block Subdivision
Street Address of Well (or nearest address) Next to Marge Wagners
at end of N. end of Bridge St.

(10) STATIC WATER LEVEL:

_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Hard Gray Basalt some fractures	146		
WB		160	9
Medium Fractured Gray Basalt WB	160	163	9
Harder Gray Basalt	163	171	9
Fractured Gray Basalt & Green	171		
Shale WB		178	9
Green Serpentine	178	236	9

Fill material from water bearing zone between 140' and 170'. Did not remove by airlift method upon completion of drilling so we pumped a 50 sack cement plug from 216' back to 199'.
20" casing cutoff 6' below ground level and Steel ring welded solid between 16" and 20" casing. 16" casing stickup is 3' above grade. After setting casing and screen, silty material was found in bottom of well. Cleaned by airlift pumping with drill rig and redisinfecting well. Video showed clear well with approx. 7' of same material in well after sitting overnight.

Date started 11/20/02 Completed 3/7/03

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and methods employed were to my best knowledge and belief.

Western Water Development
P.O. Box 1670 WWC Number _____
Redmond, OR 97756
Signed _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Western Water Development
Signed _____ Date 3/9/03
Robert Buckner